

DRAFT-PROPOSED CAAPP PERMIT  
September 3, 2014

Attention:

Cargill Dry Corn Ingredients, Inc.  
Attn: Mr. Mark Reynolds  
616 South Jefferson  
Paris, Illinois 61944

State of Illinois

CLEAN AIR ACT PERMIT  
PROGRAM (CAAPP) PERMIT

Source:

Cargill Dry Corn Ingredients, Inc.  
616 South Jefferson  
Paris, Illinois 61944

I.D. No.: 045030ABG  
Permit No.: 95100037

Permitting Authority:

Illinois Environmental Protection Agency  
Bureau of Air, Permit Section  
217/785-1705

**CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT**

[Title I and Title V Permit]

Type of Application: Renewal  
Purpose of Application: Renew Existing CAAPP Permit for 5 Years

ID No.: 045030ABG  
Permit No.: 95100037  
Statement of Basis No.: 95100037-1406

Date Application Received: December 24, 2007  
Date Issued: TBD

Expiration Date: TBD  
Renewal Submittal Date: 9 Months Prior to TBD

Source Name: Cargill Dry Corn Ingredients, Inc.  
Address: 616 South Jefferson St.  
City: Paris  
County: Edgar  
ZIP Code: 61944

This permit is hereby granted to the above-designated source authorizing operation in accordance with this CAAPP permit, pursuant to the above referenced application. This source is subject to the conditions contained herein. For further information on the source see Section 1 and for further discussion on the effectiveness of this permit see Condition 2.3(g).

If you have any questions concerning this permit, please contact James O. Quinn at 217/785-1705.

Raymond E. Pilapil  
Acting Manager, Permit Section  
Division of Air Pollution Control

REP:MTR:JOQ:psj

cc: IEPA, Permit Section  
IEPA, FOS, Region 3  
Lotus Notes Database

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**Section 1 - Source Information**

**1. Addresses**

**Source**

Cargill Dry Corn Ingredients, Inc.  
616 South Jefferson  
Paris, Illinois 61944

**Owner**

Cargill Dry Corn Ingredients, Inc.  
616 South Jefferson  
Paris, Illinois 61944

**Operator**

Cargill Dry Corn Ingredients, Inc.  
616 South Jefferson  
Paris, Illinois 61944

**Permittee**

The Owner and Operator of the source as identified in this table.

**2. Contacts**

**Certified Officials**

The source shall submit an Administrative Permit Amendment for any change in the Certified Officials, pursuant to Section 39.5(13) of the Act.

	<i>Name</i>	<i>Title</i>
<i>Responsible Official</i>	Mr. Mark Reynolds	Plant Manager
<i>Delegated Authority</i>	No other individuals have been authorized by the IEPA.	N/A

**Other Contacts**

	<i>Name</i>	<i>Phone No.</i>	<i>Email</i>
<i>Source Contact</i>	Mark Burianek	317-632-2347x132	mark_burianek@cargill.com
<i>Technical Contact</i>	Mark Burianek	317-632-2347x132	mark_burianek@cargill.com
<i>Correspondence</i>	Mark Burianek	317-632-2347x132	mark_burianek@cargill.com
<i>Billing</i>	Mark Burianek	317-632-2347x132	mark_burianek@cargill.com

**3. Single Source**

The source identified in Condition 1.1 above shall be defined to include all the following additional source(s):

<i>I.D. No.</i>	<i>Permit No.</i>	<i>Single Source Name and Address</i>
N/A	N/A	N/A

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## Section 2 - General Permit Requirements

### 1. Prohibitions

- a. It shall be unlawful for any person to violate any terms or conditions of this permit issued under Section 39.5 of the Act, to operate the CAAPP source except in compliance with this permit issued by the IEPA under Section 39.5 of the Act or to violate any other applicable requirements. All terms and conditions of this permit issued under Section 39.5 of the Act are enforceable by USEPA and citizens under the Clean Air Act, except those, if any, that are specifically designated as not being federally enforceable in this permit pursuant to Section 39.5(7)(m) of the Act. [Section 39.5(6)(a) of the Act]
- b. After the applicable CAAPP permit or renewal application submittal date, as specified in Section 39.5(5) of the Act, the source shall not operate this CAAPP source without a CAAPP permit unless the complete CAAPP permit or renewal application for such source has been timely submitted to the IEPA. [Section 39.5(6)(b) of the Act]
- c. No Owner or Operator of the CAAPP source shall cause or threaten or allow the continued operation of an emission source during malfunction or breakdown of the emission source or related air pollution control equipment if such operation would cause a violation of the standards or limitations applicable to the source, unless this CAAPP permit granted to the source provides for such operation consistent with the Act and applicable Illinois Pollution Control Board regulations. [Section 39.5(6)(c) of the Act]
- d. Pursuant to Section 39.5(7)(g) of the Act, emissions from the source are not allowed to exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder, consistent with Section 39.5(17) of the Act and applicable requirements, if any.

### 2. Emergency Provisions

Pursuant to Section 39.5(7)(k) of the Act, the Owner or Operator of the CAAPP source may provide an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations under this CAAPP permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

- a.
  - i. An emergency occurred and the source can identify the cause(s) of the emergency.
  - ii. The source was at the time being properly operated.
  - iii. The source submitted notice of the emergency to the IEPA within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
  - iv. During the period of the emergency the source took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or requirements in this permit.
- b. For purposes of Section 39.5(7)(k) of the Act, "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, such as an act of God, that requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operation error.
- c. In any enforcement proceeding, the source seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or

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upset provision contained in any applicable requirement. This provision does not relieve the source of any reporting obligations under existing federal or state laws or regulations.

**3. General Provisions**

**a. Duty to Comply**

The source must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [Section 39.5(7)(o)(i) of the Act]

**b. Need to Halt or Reduce Activity is not a Defense**

It shall not be a defense for the source in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Section 39.5(7)(o)(ii) of the Act]

**c. Duty to Maintain Equipment**

The source shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements. [Section 39.5(7)(a) of the Act]

**d. Disposal Operations**

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated there under. [Section 39.5(7)(a) of the Act]

**e. Duty to Pay Fees**

- i. The source must pay fees to the IEPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7)(o)(vi) of the Act]
- ii. The IEPA shall assess annual fees based on the allowable emissions of all regulated air pollutants, except for those regulated air pollutants excluded in Section 39.5(18)(f) of the Act and insignificant activities in Section 6, at the source during the term of this permit. The amount of such fee shall be based on the information supplied by the applicant in its complete CAAPP permit application. [Section 39.5(18)(a)(ii)(A) of the Act]
- iii. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois EPA, P.O. Box 19276, Springfield, IL, 62794-9276. Include on the check: ID #, Permit #, and "CAAPP Operating Permit Fees". [Section 39.5(18)(e) of the Act]

**f. Obligation to Allow IEPA Surveillance**

Pursuant to Sections 4(a), 39.5(7)(a), and 39.5(7)(p)(ii) of the Act, inspection and entry requirements that necessitate that, upon presentation of credentials and other documents as may be required by law and in accordance with constitutional limitations, the source shall allow the IEPA, or an authorized representative to perform the following:

- i. Enter upon the source's premises where the emission unit(s) are located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

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- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
- iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
- iv. Sample or monitor any substances or parameters at any location at reasonable times:
  - A. As authorized by the Clean Air Act or the Act, at reasonable times, for the purposes of assuring compliance with this CAAPP permit or applicable requirements; or
  - B. As otherwise authorized by the Act.
- v. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

**g. Effect of Permit**

- i. Pursuant to Section 39.5(7)(j)(iv) of the Act, nothing in this CAAPP permit shall alter or affect the following:
  - A. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section.
  - B. The liability of the Owner or Operator of the source for any violation of applicable requirements prior to or at the time of permit issuance.
  - C. The applicable requirements of the acid rain program consistent with Section 408(a) of the Clean Air Act.
  - D. The ability of USEPA to obtain information from the source pursuant to Section 114 (inspections, monitoring, and entry) of the Clean Air Act.
- ii. Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, pursuant to Sections 39.5(7)(j) and (p) of the Act, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. [35 IAC 201.122 and Section 39.5(7)(a) of the Act]

**h. Severability Clause**

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, other portions of this permit may continue to be in effect. Should any portion of this permit be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected and the rights and obligations of the source shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force. [Section 39.5(7)(i) of the Act]

**4. Testing**

- a. Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the conditions of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of

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any tests conducted as required by this permit or as the result of a request by the IEPA shall be submitted as specified in Condition 7.1 of this permit. [35 IAC Part 201 Subpart J and Section 39.5(7)(a) of the Act]

- b. Pursuant to Section 4(b) of the Act and 35 IAC 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:
  - i. **Testing by Owner or Operator:** The IEPA may require the Owner or Operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the IEPA, at such reasonable times as may be specified by the IEPA and at the expense of the Owner or Operator of the emission source or air pollution control equipment. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The IEPA shall have the right to observe all aspects of such tests.
  - ii. **Testing by the IEPA:** The IEPA shall have the right to conduct such tests at any time at its own expense. Upon request of the IEPA, the Owner or Operator of the emission source or air pollution control equipment shall provide, without charge to the IEPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.

**5. Recordkeeping**

**a. Control Equipment Maintenance Records**

Pursuant to Section 39.5(7)(b) of the Act, maintenance record(s) shall be kept on the premises for each item of air pollution control equipment. At a minimum, these records shall show the dates of any maintenance performed and the nature of the maintenance activities.

**b. Retention of Records**

- i. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [Section 39.5(7)(e)(ii) of the Act]
- ii. Pursuant to Section 39.5(7)(a) of the Act, other records required by this permit including any logs, plans, procedures, or instructions required to be kept by this permit shall be retained for a period of at least 5 years from the date of entry unless a different period is specified by a particular permit provision.

**c. Availability of Records**

- i. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall retrieve and provide paper copies, or as electronic media, any records retained in an electronic format (e.g., computer) in response to an IEPA or USEPA request during the course of a source inspection.
- ii. Pursuant to Section 39.5(7)(a) of the Act, upon written request by the IEPA for copies of records or reports required to be kept by this permit, the Permittee shall promptly submit a copy of such material to the IEPA. For this purpose, material shall be submitted to the IEPA within 30 days unless additional time is provided by the IEPA or the Permittee believes that the volume and nature of

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requested material would make this overly burdensome, in which case, the Permittee shall respond within 30 days with the explanation and a schedule for submittal of the requested material. (See also Condition 2.9(d))

**6. Certification**

**a. Compliance Certification**

- i. Pursuant to Section 39.5(7)(p)(v)(C) of the Act, the source shall submit annual compliance certifications by May 1 unless a different date is specified by an applicable requirement or by a particular permit condition. The annual compliance certifications shall include the following:
  - A. The identification of each term or condition of this permit that is the basis of the certification.
  - B. The compliance status.
  - C. Whether compliance was continuous or intermittent.
  - D. The method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.
- ii. Pursuant to Section 39.5(7)(p)(v)(D) of the Act, all compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the IEPA Compliance Section. Addresses are included in Attachment 3.
- iii. Pursuant to Section 39.5(7)(p)(i) of the Act, all compliance reports required to be submitted shall include a certification in accordance with Condition 2.6(b).

**b. Certification by a Responsible Official**

Any document (including reports) required to be submitted by this permit shall contain a certification by the responsible official of the source that meets the requirements of Section 39.5(5) of the Act and applicable regulations. [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included in Attachment 4 of this permit.

**7. Permit Shield**

- a. Pursuant to Section 39.5(7)(j) of the Act, except as provided in Condition 2.7(b) below, the source has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the IEPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit. This permit shield does not extend to applicable requirements which are promulgated after **Error! Bookmark not defined.** (date USEPA notice started), unless this permit has been modified to reflect such new requirements.
- b. Pursuant to Section 39.5(7)(j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

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- c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the IEPA or the USEPA may have against the applicant including, but not limited to, any enforcement action authorized pursuant to the provision of applicable federal and state law.

**8. Title I Conditions**

Pursuant to Sections 39(a), 39(f), and 39.5(7)(a) of the Act, as generally identified below, this CAAPP permit may contain certain conditions that relate to requirements arising from the construction or modification of emission units at this source. These requirements derive from permitting programs authorized under Title I of the Clean Air Act (CAA) and regulations thereunder, and Title X of the Illinois Environmental Protection Act (Act) and regulations implementing the same. Such requirements, including the New Source Review programs for both major (i.e., PSD and nonattainment areas) and minor sources, are implemented by the IEPA.

- a. This permit may contain conditions that reflect requirements originally established in construction permits previously issued for this source. These conditions include requirements from preconstruction permits issued pursuant to regulations approved or promulgated by USEPA under Title I of the CAA, as well as requirements contained within construction permits issued pursuant to state law authority under Title X of the Act. Accordingly, all such conditions are incorporated into this CAAPP permit by virtue of being either an "applicable Clean Air Act requirement" or an "applicable requirement" in accordance with Section 39.5 of the Act. These conditions are identifiable herein by a designation to their origin of authority.
- b. This permit may contain conditions that reflect necessary revisions to requirements established for this source in preconstruction permits previously issued under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIR".
  - i. Revisions to original Title I permit conditions are incorporated into this permit through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
  - ii. Revised Title I permit conditions shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.
- c. This permit may contain conditions that reflect new requirements for this source that would ordinarily derive from a preconstruction permit established under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIN".
  - i. The incorporation of new Title I requirements into this CAAPP permit is authorized through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.
  - ii. Any Title I conditions that are newly incorporated shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

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## 9. Reopening and Revising Permit

### a. Permit Actions

This permit may be modified, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the source for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Section 39.5(7)(o)(iii) of the Act]

### b. Reopening and Revision

Pursuant to Section 39.5(15)(a) of the Act, this permit must be reopened and revised if any of the following occur:

- i. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- ii. Additional requirements become applicable to the source for acid deposition under the acid rain program;
- iii. The IEPA or USEPA determines that this permit contains a material mistake or that an inaccurate statement was made in establishing the emission standards or limitations, or other terms or conditions of this permit; or
- iv. The IEPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

### c. Inaccurate Application

Pursuant to Sections 39.5(5)(e) and (i) of the Act, the IEPA has issued this permit based upon the information submitted by the source in the permit application referenced on page 1 of this permit. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation or reopening of this CAAPP under Section 39.5(15) of the Act.

### d. Duty to Provide Information

The source shall furnish to the IEPA, within a reasonable time specified by the IEPA any information that the IEPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the source shall also furnish to the IEPA copies of records required to be kept by this permit. [Section 39.5(7)(o)(v) of the Act]

## 10. Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement. [Section 39.5(7)(o)(vii) of the Act]

## 11. Permit Renewal

- a. Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of the most recent issued CAAPP permit will remain in effect until the issuance of a renewal permit. [Sections 39.5(5)(1) and (o) of the Act]

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- b. For purposes of permit renewal, a timely application is one that is submitted no less than 9 months prior to the date of permit expiration. [Section 39.5(5)(n) of the Act]

**12. Permanent Shutdown**

Pursuant to Section 39.5(7)(a) of the Act, this permit only covers emission units and control equipment while physically present at the source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

**13. Startup, Shutdown, and Malfunction**

Pursuant to Section 39.5(7)(a) of the Act, in the event of an action to enforce the terms or conditions of this permit, this permit does not prohibit a Permittee from invoking any affirmative defense that is provided by the applicable law or rule.

## Section 3 - Source Requirements

### 1. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

#### a. Fugitive Particulate Matter

- i. Pursuant to 35 IAC 212.301 and 35 IAC 212.314, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source unless the wind speed is greater than 25 mph.
- ii. Compliance Method (Fugitive Particulate Matter)

Upon request by the IEPA, the Permittee shall conduct observations at the property line of the source for visible emissions of fugitive particulate matter from the source to address compliance with 35 IAC 212.301. For this purpose, daily observations shall be conducted for a week for particular area(s) of concern at the source, as specified in the request, observations shall begin either within one day or three days of receipt of a written request from the IEPA, depending, respectively, upon whether observations will be conducted by employees of the Permittee or a third-party observer hired by the Permittee to conduct observations on its behalf. The Permittee shall keep records for these observations, including identity of the observer, the date and time of observations, the location(s) from which observations were made, and duration of any fugitive emissions event(s).

#### b. Ozone Depleting Substances

Pursuant to 40 CFR 82.150(b), the Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.
- ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.
- iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.
- iv. Pursuant to 40 CFR 82 Subpart B, any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner shall comply with 40 CFR 82 Subpart B, Servicing of Motor Vehicle Air Conditioners.
- v. Pursuant to 40 CFR 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

#### c. Asbestos Demolition and Renovation

- i. Asbestos Fees. Pursuant to Section 9.13(a) of the Act, for any site for which the Owner or Operator must file an original 10-day notice of intent to renovate or

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demolish pursuant to Condition 3.1(c)(ii) below and 40 CFR 61.145(b), the owner or operator shall pay to the IEPA with the filing of each 10-day notice a fee of \$150.

- ii. Pursuant to 40 CFR 61 Subpart M, Standard of Asbestos, prior to any demolition or renovation at this facility, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).
- iii. Pursuant to 40 CFR 61.145(c), during demolition or renovation, the Permittee shall comply with the procedures for asbestos emission control established by 40 CFR 61.145(c).

**d. Future Emission Standards**

Pursuant to Section 39.5(15)(a) of the Act, this source shall comply with any new or revised applicable future standards of 40 CFR 60, 61, 62, or 63; or 35 IAC Subtitle B after the date issued of this permit. The Permittee shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by Condition 2.6(a). This permit may also have to be revised or reopened to address such new regulations in accordance to Condition 2.9.

**2. Applicable Plans and Programs**

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

**a. Fugitive PM Operating Program**

Should this source become subject to 35 IAC 212.302, the Permittee shall prepare and operate under a Fugitive PM Operating Program consistent with 35 IAC 212.310 and submitted to the IEPA for its review. The Fugitive PM Operating Program shall be designed to significantly reduce fugitive particulate matter emissions, pursuant to 35 IAC 212.309(a). Any future Fugitive PM Operating Program made by the Permittee during the permit term is automatically incorporated by reference provided the Fugitive PM Operating Program is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the Fugitive PM Operating Program. In the event that the IEPA notifies the Permittee of a deficiency with any Fugitive PM Operating Program, the Permittee shall be required to revise and resubmit the Fugitive PM Operating Program within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

**b. PM<sub>10</sub> Contingency Measure Plan**

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a PM<sub>10</sub> Contingency Measure Plan reflecting the PM<sub>10</sub> emission reductions as set forth in 35 IAC 212.701 and 212.703. The Permittee shall, within 90 days after the date this source becomes subject to 35 IAC 212.700, submit a request to modify this CAAPP permit in order to include a new, appropriate PM<sub>10</sub> Contingency Measure Plan.

**c. Episode Action Plan**

- i. Pursuant to 35 IAC 244.141, the Permittee shall have on file with the IEPA an Episode Action Plan for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The Episode Action Plan shall contain the information specified in 35 IAC 244.144.
- ii. The Permittee shall immediately implement the appropriate steps described in the Episode Action Plan should an air pollution alert or emergency be declared, as

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required by 35 IAC 244.169, or as may otherwise be required under 35 IAC 244, Appendix D.

- iii. Pursuant to 35 IAC 244.143(d), if an operational change occurs at the source which invalidates the Episode Action Plan, a revised Episode Action Plan shall be submitted to the IEPA for review within 30 days of the change and is automatically incorporated by reference provided the revision is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the revision. In the event that the IEPA notifies the Permittee of a deficiency with any revision to the Episode Action Plan, the Permittee shall be required to revise and resubmit the Episode Action Plan within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.
- iv. The Episode Action Plan, as submitted by the Permittee on July 11, 2014, is incorporated herein by reference. The document constitutes the formal Episode Action Plan required by 35 IAC 244.142, addressing the actions that will be implemented to reduce SO<sub>2</sub>, PM<sub>10</sub>, NO<sub>2</sub>, CO and VOM emissions from various emissions units in the event of a yellow alert, red alert or emergency issued under 35 IAC 244.161 through 244.165.
- v. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Episode Action Plan, any amendments or revisions to the Episode Action Plan (as required by Condition 3.2(c)), and the Permittee shall also keep a record of activities completed according to the Episode Action Plan.

**d. Risk Management Plan (RMP)**

Should this stationary source, as defined in 40 CFR 68.3, become subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68, then the Permittee shall submit a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or submit a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan, as part of the annual compliance certification required by Condition 2.6(a). This condition is imposed in this permit pursuant to 40 CFR 68.215(a)(2)(i) and (ii).

**3. Title I Requirements**

As of the date of issuance of this permit, there are no source-wide Title I requirements that need to be included in this Condition.

**4. Synthetic Minor Limits**

As of the date of issuance of this permit, there are no source-wide synthetic minor limits that need to be included in this Condition.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:
  - I. Requirements in Condition 3.1(a)(i).
  - II. Requirements in Conditions 3.2(c).

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- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.
- iv. All deviation reports required in this Permit shall be identified, summarized, and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

**b. Semiannual Reporting**

- i. Pursuant to Section 39.5(7)(f)(i) of the Act, the Permittee shall submit Semiannual Monitoring Reports to the IEPA, Air Compliance Section, summarizing required monitoring as part of the Compliance Methods in this Permit submitted every six months as follows, unless more frequent reporting is required in other parts of this permit.

<u>Monitoring Period</u>	<u>Report Due Date</u>
January through June	July 31
July through December	January 31

- ii. The Semiannual Monitoring Report must be certified by a Responsible Official consistent with Condition 2.6(b).

**c. Annual Emissions Reporting**

Pursuant to 35 IAC Part 254, the Source shall submit an Annual Emission Report to the Air Quality Planning Section, due by May 1 of the year following the calendar year in which the emissions took place. All records and calculations upon which the verified and reported data are based must be retained by the source.

**Section 4 - Emission Unit Requirements**

**4.1 Grain Handling Operations**

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
E006 (Cob & Corn Loadout Spout)	PM	1968	N/A	None	N/A
E007 (Railcar Dump)	PM	1968	N/A	None	N/A
E008 (Elevator Pre-Cleaning and Truck Dump System)	PM	2002	N/A	Baghouse	Magnahelic
E009 (Elevator Blending System)	PM	2002	N/A	Baghouse	Magnahelic
E010 (Elevator Cleaning House I)	PM	2003	N/A	Baghouse	DP Transmitter
E011 (Elevator Cleaning House II)	PM	2003	N/A	Baghouse	DP Transmitter
E012 (Elevator Cleaning House III)	PM	2003	N/A	Baghouse	DP Transmitter
C052 (Corn Dryer)	CO, SO <sub>2</sub> , PM, NO <sub>x</sub> , VOM	2004	N/A	None	N/A
C030 (Rail Loadout)	PM	1992	N/A	None	N/A
C031A (Trucks Loadout)	PM	1992	N/A	Baghouse	N/A
C031B (Trucks Loadout)	PM	1992	N/A	None	N/A

**2. Applicable Requirements**

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

**a. i. Opacity Requirements**

A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122.

**ii. Compliance Method (Opacity Requirements)**

**Monitoring**

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform quarterly visible emission observations of each individual stack and point of fugitive emissions of each grain handling operation identified in the Table 4.1(1) above in accordance with Method 22. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the operation, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9, the procedures in 40 CFR 60.11 and Section 7.1 of this permit shall be conducted within 48 hours in accordance with Condition 2.4.

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**Recordkeeping**

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all Method 9 and Method 22 opacity measurements and visible emissions observations made in accordance with Condition 4.1.2(a)(ii)(A). These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

**b. i. Particulate Matter (PM) Requirements**

A. Pursuant to Construction Permit #04060021, the Permittee shall not allow PM emissions from the C052 Corn Dryer to exceed 6.97 lbs/hr (15.11 tons/yr).

**Monitoring**

A. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

**Recordkeeping**

B. Pursuant to Construction Permit #04060021, the Permittee shall maintain monthly records of the total emissions and supporting calculations for the source C052.

**c. i. Sulfur Dioxide Requirements (SO<sub>2</sub>)**

A. Pursuant to Construction Permit #04060021, combustion emissions of sulfur oxides from the C052 corn dryer shall not exceed 0.027 lbs/hour and 0.12 tons/year. [T1]

**ii. Compliance Method (SO<sub>2</sub> Requirements)**

**Monitoring**

A. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

B. Pursuant to Section 39.5(7)(a) of the Act, for the units fired with natural gas, the Permittee shall use pipeline quality natural gas.

**Recordkeeping**

C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of SO<sub>2</sub> emissions with supporting calculations (tons/yr).

**d. i. Volatile Organic Material Requirements (VOM)**

A. Pursuant to Construction Permit #04060021, combustion emissions of volatile organic compounds from the C052 corn dryer shall not exceed 0.24 lbs/hour and 1.07 tons/year. [T1]

ii. Compliance Method (VOM Requirements)

**Monitoring**

- A. Pursuant to 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

**Recordkeeping**

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of VOM emissions with supporting calculations (tons/yr).

e. i. **Carbon Monoxide Requirements (CO)**

- A. Pursuant to Construction Permit #04060021, combustion emissions of carbon monoxide from the C052 corn dryer shall not exceed 3.75 lbs/hour and 16.41 tons/year. [T1]

ii. Compliance Method (CO Requirements)

**Monitoring**

- A. Pursuant to 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

**Recordkeeping**

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of CO emissions with supporting calculations (tons/yr).

f. i. **Nitrogen Oxide Requirements (NO<sub>x</sub>)**

- A. Pursuant to Construction Permit #04060021, combustion emissions of nitrogen oxide from the C052 dryer shall not exceed 2.23 lbs/hour and 9.77 tons/year. [T1]

ii. Compliance Method (NO<sub>x</sub> Requirements)

**Monitoring**

- A. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

**Recordkeeping**

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of NO<sub>x</sub> emissions with supporting calculations (tons/yr).

g. i. **Operational and Production Requirements**

- A. Pursuant to Construction Permit #04060021, The Permittee shall perform the following: [T1]
- i. Grain drying with a column dryer shall be conducted in a dryer with enclosed grain inlet and outlet and perforations in the external sheeting not exceeding 0.094 inch, pursuant to 35 IAC 212.463(a).

- ii. Grain drying with a dryer other than a column dryer shall be conducted in a dryer with a particulate collection screen for all exhaust air that has a maximum opening of 50 mesh, U.S. Sieve Series and a self-cleaning mechanism ducted through a properly operating cyclone or filter particulate matter removal device, pursuant to 35 IAC 212.463(b).
  - B. Pursuant to Construction Permit #04060021, the throughput of the grain dryer C052 shall not exceed 13 million bushels/year .[T1]
  - C. Pursuant to Construction Permit #04060021, natural gas shall be the only fuel fired in the grain dryer (C052), and the rated capacity of the burners in the dryer shall not exceed 44.6 mmBtu/hr. [T1]
  - D. Pursuant to Construction Permits #04060021, natural gas shall be the only fuel fired in the Corn Dryer (C052). [T1]
- ii. Compliance Method (Operational and Production Requirements)

**Monitoring**

- A. Pursuant to Construction Permit #04060021, the Permittee shall perform the following:
  - I. Each such dryer shall be inspected for any leaks in enclosures and proper condition of the external sheeting, on at least an annual basis prior to the harvest season.
  - II. Each such dryer shall be inspected for any leaks in the enclosure for and proper condition of the external sheeting, on at least an annual basis prior to the harvest season.
  - III. The cyclone or filter associated with such dryer shall be inspected for leaks and visible emissions in the exhaust while drying is occurring, at least once each week when a dryer is operated.

**Recordkeeping**

- B. Pursuant to Construction Permit #04060021, the Permittee shall maintain monthly records of the following items for the corn dryer (unit C052):
  - I. Total grain dried, bushels/month and bushels/year (running total of 12 months of data).
  - II. Total emissions, including supporting data and calculations.
  - III. Any deviation or exceedance of the limitations and requirements established, as determined by the above records, or by other means, with date, time, duration, description, corrective action, and measures to prevent future reoccurrences.

**h. i. Work Practice Requirements**

- A. Pursuant to 35 IAC 212.461(b), the following housekeeping practices shall be implemented during operations of grain handling operations:

All grain-handling and grain-drying operations, regardless of size, must implement and use the following housekeeping practices:

  - I. Air pollution control devices shall be checked daily and cleaned as necessary to insure proper operation.

II. Cleaning and Maintenance.

1. Floors shall be kept swept and cleaned from boot pit to cupola floor. Roof or bin decks and other exposed flat surfaces shall be kept clean of grain and dust that would tend to rot or become airborne.
2. Cleaning shall be handled in such a manner as not to permit dust to escape to the atmosphere.
3. The yard and surrounding open area, including but not limited to ditches and curbs, shall be cleaned to prevent the accumulation of rotting grain.

III. Dump Pit.

1. Aspiration equipment shall be maintained and operated.
2. Dust control devices shall be maintained and operated.

IV. Head House. The head house shall be maintained in such a fashion that visible quantities of dust or dirt are not allowed to escape to the atmosphere.

V. Property. The yard and driveway of any source shall be asphalted, oiled or equivalently treated to control dust.

B. Pursuant to 35 IAC 212.462, the following work practices shall be implemented during operations of grain handling operations:

I. Cleaning and Separating Operations.

1. Particulate matter generated during cleaning and separating operations shall be captured to the extent necessary to prevent visible particulate matter emissions directly into the atmosphere.
2. For grain-handling sources having a grain through-put exceeding 2 million bushels per year and located within a major population area, air contaminants collected from cleaning and separating operations shall be conveyed through air pollution control equipment which has a rated and actual particulate removal efficiency of not less than 98 percent by weight prior to release into the atmosphere.

II. Major Dump-Pit Area.

1. Induced Draft.
  - (a) Induced draft shall be applied to major dump pits and their associated equipment (including, but not limited to, boots, hoppers and legs) to such an extent that a minimum face velocity is maintained, at the effective grate surface, sufficient to contain particulate emissions generated in unloading operations. The minimum face velocity at the effective grate surface shall be at least 200 fpm, which shall be determined by using the equation specified in 35 IAC 212.462(b)(1)(a).
  - (b) The induced draft air stream for grain-handling sources having a grain through-put exceeding 2 million bushels

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**4.1 - Grain Handling Operations**

per year and located in a major population area shall be confined and conveyed through air pollution control equipment which has an overall rated and actual particulate collection efficiency of not less than 98 percent by weight; and

- (c) Means or devices (including, but not limited to, quick-closing doors, air curtains or wind deflectors) shall be employed to prevent a wind velocity in excess of 50 percent of the induced draft face velocity at the pit; provided, however, that such means or devices do not have to achieve the same degree of prevention when the ambient air wind exceeds 25 mph. The wind velocity shall be measured, with the induced draft system not operating, at a point midway between the dump-pit area walls at the point where the wind exits the dump-pit area, and at a height above the dump-pit area floor of approximately 2 ft; or
- (d) Any equivalent method, technique, system or combination thereof adequate to achieve, at a minimum, a particulate matter emission reduction equal to the reduction which could be achieved by compliance with 35 IAC 212.462 (b) (1).

2. Internal Transferring Area.

- (a) Internal transferring area shall be enclosed to the extent necessary to prohibit visible particulate matter emissions directly into the atmosphere.
- (b) Air contaminants collected from internal transfer operations for grain-handling sources having a grain through-put exceeding 2 million bushels per year and located in a major population area shall be conveyed through air pollution control equipment which has a rated and actual particulate removal efficiency of not less than 98 percent by weight prior to release into the atmosphere.

3. Load-Out Area.

- (a) Truck and hopper car loading shall employ socks, sleeves or equivalent devices which extend 6 inches below the sides of the receiving vehicle, except topping off. Choke loading shall be considered an equivalent method as long as the discharge is no more than 12 inches above the sides of the receiving vehicle.
- (b) Box car loading shall employ means or devices to prevent the emission of particulate matter into the atmosphere to the fullest extent which is technologically and economically feasible.

- C. Pursuant to 35 IAC 212.463 - Grain Drying Operations, unless otherwise exempted pursuant to 35 IAC 212.461(c) or (d) or allowed to use alternate control according to 35 IAC 212.461(g), grain-drying operations for which construction or modification commenced prior to June 30, 1975, with a total grain-drying capacity in excess of 750 bushels per hour for 5 percent moisture extraction at manufacturer's rated capacity (using the American Society of Agricultural Engineers Standard 248.2, Section 9, Basis for

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Stating Drying Capacity of Batch and Continuous-Flow Grain Dryers, incorporated by reference in Section 212.113 of 35 IAC 212) shall be operated in such a fashion as to preclude the emission of particulate matter larger than 300 microns mean particle diameter, shall comply with the following:

- I. Column Dryers. The largest effective circular diameter of transverse perforations in the external sheeting of a column dryer shall not exceed 0.094 inch, and the grain inlet and outlet shall be enclosed.
- II. Rack Dryers. No portion of the exhaust air of rack dryers shall be emitted to the ambient atmosphere without having passed through a particulate collection screen having a maximum opening of 50 mesh, U.S. Sieve Series.
  - 1. All such screens will have adequate self-cleaning mechanisms, the exhaust gas of which for grain-handling facilities having a grain through-put of not more than 2 million bushels per year or located outside a major population area shall be ducted through air pollution control equipment which has a rated and actual particulate removal efficiency of 90 percent by weight prior to release into the atmosphere.
  - 2. All such screens will have adequate self-cleaning mechanisms, the exhaust gas of which for grain-handling sources having a grain through-put exceeding 2 million bushels per year and located in a major population area shall be ducted through air pollution control equipment which has a rated and actual particulate removal efficiency of 98 percent by weight prior to release into the atmosphere.
- III. Other Types of Dryers. All other types of dryers shall be controlled in a manner which shall result in the same degree of control required for rack dryers pursuant to 35 IAC 212.463(b).
- IV. Pursuant to 35 IAC 212.463(d), New and Modified Grain-Drying Operations, grain-drying operations constructed or modified on or after June 30, 1975, shall comply with the control equipment requirements of 35 IAC 212.463, except for new and modified grain-drying operations which do not result in a total grain-drying capacity in excess of 750 bushels per hour for 5 percent moisture extraction at manufacturer's rated capacity, using the American Society of Agricultural Engineer Standard 248.2, Section 9, Basis for Stating Drying Capacity of Batch and Continuous-Flow Grain Dryers.
- D. Pursuant to 35 IAC 212.461(g), Alternate Control of Particulate Emissions, the Permittee shall comply with the following:
  - I. Grain-handling or grain-drying operations, which were in numerical compliance with 35 IAC 212.322, as of April 14, 1972, and continue to be in compliance with 35 IAC 212.322 need not comply with the provisions under 35 IAC 212.461, except the housekeeping practices in 35 IAC 212.461(b).
  - II. Grain-handling or grain-drying operations, which were not in numerical compliance with 35 IAC 212.322, as of April 14, 1972, but which came into compliance with 35 IAC 212.321 prior to April 14, 1972, and continue to be in compliance with 35 IAC 212.321 need not comply with the provisions under 35 IAC 212.461, except the housekeeping practices in 35 IAC 212.461(b).

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**4.1 - Grain Handling Operations**

- III. Proof of compliance with 35 IAC 212.461(g) shall be made by stack sampling and/or material balance results obtained from actual testing of the subject emission unit or process and be submitted at the time of an application for, or renewal of, an operating permit.
- E. Pursuant to 35 IAC 212.322(a), the plant's emission units not subject to 35 IAC 212.462 - Grain Handling Operations or 35 IAC 212.463 - Grain Drying Operations that were constructed or modified prior to April 14, 1972 are subject to 35 IAC 212.322(a), which provides that:
- I. No person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any process unit for which construction or modification commenced prior to April 14, 1972, which, either alone or in combination with the emission of particulate matter from all other similar process emission units at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.322 (See also Attachment 10.3) [35 IAC 212.322(a)].
- F. Pursuant to 35 IAC 212.321, the plant's emission units not subject to 35 IAC 212.462 - Grain Handling Operations or 35 IAC 212.463 - Grain Drying Operations constructed or modified on or after April 14, 1972 are subject to 35 IAC 212.321(a), which provides that:
- I. No person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.321 (See also Attachment 10.2) [35 IAC 212.321(a)].
- G. Pursuant to Construction Permit #02070032, the Permittee shall not allow PM/PM<sub>10</sub> emissions, emission rates, and airflow exceed the following limitations:

Emission Source/Stack Designation	Name	Maximum Airflow (cfm)	Maximum Emission Rate (gr/dsf)*	PM/PM <sub>10</sub>	
				Emissions (Lb/Hr)	Emissions (Ton/Yr)
C036	Corn Mill Degermination I	8,400	7.5 x 10 <sup>-3</sup>	0.54	2.37
C037	Corn Mill Degermination II	8,400	7.5 x 10 <sup>-3</sup>	0.54	2.37
C038	Corn Mill Degermination III	8,400	7.5 x 10 <sup>-3</sup>	0.54	2.37
C039	Corn Mill Degermination IV	8,400	7.5 x 10 <sup>-3</sup>	0.54	2.37
C040	Corn Mill Degermination V	6,800	7.5 x 10 <sup>-3</sup>	0.44	1.91
C041	General Aspiration XIV	6,350	7.5 x 10 <sup>-3</sup>	0.41	1.79
C042	General Aspiration XV	4,250	7.5 x 10 <sup>-3</sup>	0.27	1.20
C043	Flash Dryer #1	24,000	----	1.26	5.53
C044	Flash Dryer #2	11,500	4.0 x 10 <sup>-4</sup>	0.040	0.173
C045	Flash Dryer #3	6,200	3.7 x 10 <sup>-3</sup>	0.198	0.866
PO09	New Water Heater	----	----	0.0062	0.273
E010	Elevator Cleaning House I	14,500	7.5 x 10 <sup>-3</sup>	0.93	4.08
E011	Elevator Cleaning House II	14,500	7.5 x 10 <sup>-3</sup>	0.93	4.08
E012	Elevator Cleaning House III	14,500	7.5 x 10 <sup>-3</sup>	0.93	4.08
Totals:				7.40	33.46

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ii. Compliance Method (Work Practice Requirements)

Monitoring

- A. Pursuant to Section 39.5(7)(b) and (d) of the Act, in addition to daily inspections of air pollution control devices as discussed above, the Permittee shall conduct annual inspections of all grain handling/grain drying operations identified in Table 4.1(1).
- B. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, the elevator units E008, E009, E010, E011, and E012 are subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.4 and Table 7.4.3, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

Testing

- C. The Permittee shall comply with all the requirements of Section 7.1.

Recordkeeping

- D. Pursuant to 35 IAC 212.461(b)(6), the Permittee shall keep the completed household check lists on the premises of the source.
- E. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep drawings of grain handling/grain drying equipment identified in Condition 4.1(2)(f).
- F. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of manufacturer's specification or other data with a rated PM removal efficiency for the air pollution control equipment employed in internal transferring areas.
- G. Pursuant to Construction Permit #02070032, the Permittee shall keep the following records related to emissions:
  - i. The maximum emission of PM/PM<sub>10</sub> (lb/hour) from each emission unit or group of emission units controlled by a single control device, considering maximum exhaust flow and nominal exhaust loading, with supporting documentation.
  - ii. An estimate of excess PM/PM<sub>10</sub> emissions from each incident when a unit did not comply with the limits required in this permit.
  - iii. Annual PM/PM<sub>10</sub>, NO<sub>x</sub> and CO emission based on the throughput and the applicable emission factors and formulas with supporting calculations.

**3. Non-Applicability Determinations**

- a. Pursuant to 35 IAC 212.461(a), elevators are not subject to 35 IAC 212.302(a), 212.321, and 212.322.
- b. The elevators are not subject to 40 CFR 60 Subpart DD - Standards of Performance for Grain Elevators, because, pursuant to 40 CFR 60.301(f), the plant has less than a 1 million bushel grain storage capacity.

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**4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions: 4.1.2(a)(i), 4.1.2(b)(i), 4.1.2(c)(i), 4.1.2(d)(i), 4.1.2(e)(i), 4.1.2(f)(i), 4.1.2(g)(i), and 4.1.2(h)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

4.2 Corn Mill

1. Emission Units and Operations

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
C015 (Tailstock Dryers)	PM	1968	N/A	Cyclone	N/A
C016 (Tailstock Dryers)	PM	1968	N/A	Cyclone	N/A
C019 (Penthouse C Dust Collector)	PM	1968	N/A	Baghouse	Magnahelic
C026 (Tailstock Aspiration Filter)	PM	1968	N/A	Baghouse	DP Transmitter (#3005)
C041 (Module 1 Mill Pneumatics)	PM	2003	N/A	Baghouse	DP Transmitter (#6001)
C042 (Polisher Pneumatics - S Buehler filter)	PM	2003	N/A	Baghouse	DP Transmitter (#7001)
C033 (Feed Loadout)	PM	1992	N/A	None	N/A
C034A (Feed Storage Bin Vent S)	PM	1992	N/A	Filter Rec'r	DP Transmitter (#3002)
C034B (Feed Storage Bin Vent N)	PM	1992	N/A	Filter Rec'r	DP Transmitter (#3004)
C036 (General Aspiration Module 2)	PM	2003	N/A	Baghouse	DP Transmitter (#3001)
C037 (6 <sup>th</sup> Floor Reduction Roll Bench)	PM	2003	N/A	Baghouse	DP Transmitter (#7002)
C038 (General Aspiration Module 1A)	PM	2003	N/A	Baghouse	DP Transmitter (#6004)
C039 (General Aspiration Module 1B)	PM	2003	N/A	Baghouse	DP Transmitter (#6003)N/A
C040 (General Aspiration Module 1C)	PM	2003	N/A	Baghouse	DP Transmitter (#6002)
C043 (Feed Flash Dryer (Golden Max))	SO <sub>2</sub> , PM, VOM, CO, NO <sub>x</sub>	2003	N/A	Baghouse	DP Transmitter (#3014)
C044 (Grader 5 Fines Flash Dryer)	SO <sub>2</sub> , PM, CO, NO <sub>x</sub>	2003	N/A	Baghouse	DP Transmitter (#7004)
C045 (Granulated Meal Flash Dryer)	SO <sub>2</sub> , PM, CO, NO <sub>x</sub>	2003	N/A	Baghouse	DP Transmitter (#7005)
C046 (#4 Grit Cyclone Aspiration)	PM, PM <sub>10</sub>	2004	N/A	Baghouse	DP Transmitter (#7006)
C047 (#4 Grit General Aspiration)	PM, PM <sub>10</sub>	2004	N/A	Baghouse	DP Transmitter (#7007)
C048 (A System Throughstock Filter)	PM, PM <sub>10</sub>	2004	N/A	Baghouse	DP Transmitter (#7003)
C049 (B&C System Throughstock Filter)	PM, PM <sub>10</sub>	2004	N/A	Baghouse	DP Transmitter (#3006)
C050 (3 <sup>rd</sup> Floor Roll Reduction Bench)	PM, PM <sub>10</sub>	2004	N/A	Baghouse	DP Transmitter (#6005)
C051 (B Section General Aspiration)	PM	2004	N/A	Baghouse	DP Transmitter (Flt #17)
C053 (Corn Bran Hammermill/Lift)	PM	2004	N/A	Baghouse	Magnahelic
C054 (Star #1 Bin Vent Filter)	PM	2004	N/A	Filter Rec'r	DP Transmitter (Fan 4001)
C055 (Star #2 Bin Vent Filter)	PM	2004	N/A	Filter Rec'r	DP Transmitter (Fan 4001)
C058 (Golden Max Cooling)	PM	2008	N/A	Cyclone/Baghouse	DP Transmitter (#3550)
C059 (Grader 5 Cyclone Aspiration)	PM	2008	N/A	Cyclone/Baghouse	Magnahelic
C061 (Feed Storage Aspiration Filter)	PM	2008	N/A	Baghouse	Magnahelic
C062 (EnergX System)	PM	2009	N/A	Filter	DP Transmitter (#3015)

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<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
C063 (#4 Grit Dryer)	PM	2010	N/A	Cyclones	N/A
C064 (Intermediate Corn Products Concentrators)	PM	2010	N/A	Bagfilter	DP Transmitter (#6401)
C065 (Intermediate Corn Products Concentrators)	PM	2010	N/A	Bagfilter	Magnahelic
C066 (#4 Leg Corn Dryer Aspiration)	PM	2013	N/A	Bagfilter	Magnahelic
*C067 (Aspirator and Associated Dust Collector)	PM	2015	N/A	Bagfilter	Dust Collector

\* This unit, at time of permit renewal, has not been installed. Installation and operation is planned for the year 2015

**2. Applicable Requirements**

For the emission units in Condition 4.2.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. Opacity Requirements**

A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122.

ii. Compliance Method (Opacity Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform quarterly visible emission observations of each individual stacks and point of operation identified in the Table 4.2(1) above in accordance with Method 22. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the operation, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9, the procedures in 40 CFR 60.11 and Section 7.1 of this permit shall be conducted within 48 hours in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all Method 9 and Method 22 opacity measurements and visible emissions observations made in accordance with Condition 4.2.2(a)(ii)(A). These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

**b. i. Particulate Matter Requirements (PM)**

A. Pursuant to 35 IAC 212.321(a), the Permittee shall not cause or allow the emission of particulate matter into the atmosphere in any one hour period

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**Section 4 - Emission Unit Requirements**  
**4.2 - Corn Mill**

from any new process emission unit, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.321.

- B. Pursuant to Construction Permits #03120008, #07100079, and #04060021, Particulate matter (PM) emissions from the equipment listed shall not exceed the following limits [T1]:

Emission Unit Stack Designation	Name	PM	
		Emissions (Lb/Hr)	Emissions (Ton/Yr)
<b>Construction Permit #03120008</b>			
C046	#4 Grit Cyclone Aspiration	0.30	1.31
C047	#4 Grit General Aspiration	1.05	4.66
C048	A System Throughstock Filter	0.41	1.79
C049	B&C System Throughstock Filters	0.69	3.01
C050	3rd Floor Roll Reduction Bench	0.22	0.99
C051	B Section General Aspiration (Filter #17)	1.80	7.88
		Total:	19.60
<b>Construction Permit #07100079</b>			
C058	Golden Max Cooling	0.30	1.31
C059	Grader 5 Cyclone Aspiration	0.06	0.25
C044	Grader 5 Fines (EnergX) Dryer	1.23	5.40
C061	Feed Storage Aspiration Filter	0.19	0.85
		Total:	7.81
<b>Construction Permit #04060021</b>			
C053	Corn Bran Hammermill Lift	0.51	2.25
C054	Star #1 Bin Vent Filter	0.08	0.34
C055	Star #2 Bin Vent Filter	0.10	0.42
		Total:	18.12

- C. Pursuant to Construction Permit #10010015, PM emissions from the C063 #4 grit dryer shall not exceed 1.65 pounds/hour and 7.23 tons/year. [T1]
- D. Pursuant to Construction Permit #03120008, emissions of PM<sub>10</sub> from the processes C046 through C050 shall not exceed 70 percent of the above limits shown in Condition 4.2.2(b)(i)(B) except for the B Section General Aspiration (C051) for which PM<sub>10</sub> shall not exceed 45 percent of the above limits. [T1]
- E. Pursuant to Construction Permit #10040055, PM emissions from the Intermediate Corn Product Concentrators (C064 and C065), total, shall not exceed 1.2 pounds/hour and 5.3 tons/year. [T1]
- F. Pursuant to Construction Permit #13050014, the Permittee shall not allow emissions of the reconstructed bulk feed loadout system shall not exceed the following limits: [T1]

Design Air Flow (scfm)	PM Emissions	
	lbs/hour	ton/year
18,000	0.60	2.64

ii. Compliance Method (PM Requirements)

Monitoring

- A. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Testing

- B. Pursuant to Construction Permit #10040055, the Permittee shall have emission testing conducted at its expense by a qualified independent testing service for PM emissions of the Intermediate Corn Products Concentrators (C064 and C065). This testing shall be conducted during operating conditions that are representative of maximum emissions of the units. [T1]
- C. The Permittee shall comply with all the requirements of Section 7.1.

Recordkeeping

- D Pursuant to Construction Permit #07100079, the Permittee must maintain the following records related to emissions: [T1]
- I. Documentation for the PM emission factor(s) and maximum hourly emissions rates used by the Permittee to determine emissions of the C058 Golden Max Cooling, C059 Grader 5 Cyclone Aspiration, C044 Grader 5 Fines (EnergX) Flash Dryer, and C061 Feed Storage Aspiration.
- II. Records of all other data used or relied upon by the Permittee to determine the PM emissions of the C058 Golden Max Cooling, C059 Grader 5 Cyclone Aspiration, C044 Grader 5 Fines (EnergX) Flash Dryer, and C061 Feed Storage Aspiration.
- III. PM emissions from the C058 Golden Max Cooling, C059 Grader 5 Cyclone, C044 Grader 5 Fines (EnergX) Flash Dryer, and C061 Feed Storage Aspiration (tons/month and tons/year) based on appropriate emission factors and operating data, with supporting calculations.
- E. Pursuant to Construction Permit #03120008, the Permittee shall keep the following records for emissions units C046 through C050 related to emissions: [T1]
- I. The maximum emission of PM (lbs/hour) from each emission unit or group of emission units controlled by a single control device, considering maximum exhaust flow and nominal exhaust loading, with supporting documentation.
- II. Information identifying each incident when a unit was not operated in a manner to assure compliance with an estimate of excess PM emissions from each such incident when a unit did not comply with the limits required in this permit.
- III. Monthly and annual PM emissions based on the above records, with supporting calculations.
- F. Pursuant to Construction Permit #02070032, the Permittee shall keep the following records for C043, C044, C045 related to emissions: [T1]
- I. The maximum emission of PM/PM<sub>10</sub> (lbs/hour) from each emission unit or group of emission units controlled by a single control device,

considering maximum exhaust flow and nominal exhaust loading, with supporting documentation.

II. An estimate of excess PM/PM<sub>10</sub> emissions from each incident when a unit did not comply with the limits required in this permit.

III. Annual PM/PM<sub>10</sub>, NO<sub>x</sub> and CO emission based on the throughput and the applicable emission factors and formulas with supporting calculations.

G. Pursuant to Construction Permit #04060021, the Permittee shall maintain monthly records of the total emissions and supporting calculations for the sources C053, C054, and C055

H. Pursuant to Construction Permit #13050014, the Permittee shall keep the following records related to the emissions of the reconstructed bulk feed loadout system (C067): [T1]

I. The maximum PM emission rate (lbs/hour), based on engineering calculations, with supporting documentation.

II. Hours of operation.

III. Actual PM emissions (tons/month and tons/year), with supporting documentation and calculations.

I. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, emission units C041, C042, C036, C037, C038, C039, C040, C043, C044, C046, C047, C048, C049, C050, C051, C053, C054, C055, C058, C059, C061, C062, C063, C064, C065, C066, and C067 are subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.4 and Tables 7.4.1 through 7.4.8, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

**c. i. Sulfur Dioxide Requirements (SO<sub>2</sub>)**

A. Pursuant to 35 IAC 214.301, for all dryers, no person shall cause or allow the emission of sulfur dioxide into the atmosphere to exceed 2,000 ppm.

**ii. Compliance Method (SO<sub>2</sub> Requirements)**

Monitoring

A. Pursuant to Section 39.5(7)(a) of the Act, for the units fired with natural gas, the Permittee shall use pipeline quality natural gas.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of SO<sub>2</sub> emissions with supporting calculations (tons/yr).

**d. i. Carbon Monoxide Requirements (CO)**

A. Pursuant to Construction Permit #0710079, combustion emissions of carbon monoxide from the C044 Grader 5 Fines (EnergX) Flash Dryer shall not exceed 0.25 lbs/hour and 1.10 tons/year. [T1]

- B. Pursuant to Construction Permit #02070032, emissions of CO from the flash dryers (C043, C044, C045) combined shall not exceed 1.5 lbs/hour and 6.6 tons/year, respectively. [T1]

ii. Compliance Method (CO Requirements)

Monitoring

- A. Pursuant to 39.5(7)(a) of the Act, compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of CO emissions with supporting calculations (tons/yr).

e. i. **Nitrogen Oxide Requirements (NO<sub>x</sub>)**

- A. Pursuant to Construction Permit #07100079, combustion emissions of nitrogen oxide from the C044 Grader 5 Fines (EnergX) Flash Dryer shall not exceed 0.30 lbs/hour and 1.31 tons/year. [T1]

- B. Pursuant to Construction Permit #02070032, emissions of NO<sub>x</sub> from the flash dryers (C043, C044, C045) combined shall not exceed 2.0 lbs/hour and 8.8 tons/year, respectively. [T1]

ii. Compliance Method (NO<sub>x</sub> Requirements)

Monitoring

- A. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of NO<sub>x</sub> emissions with supporting calculations (tons/yr).

f. i. **Operational and Production Requirements**

- A. Pursuant to Construction Permit #10010015, the rated capacity of the C063 #4 Grit Dryer, measured as dried material from the dryer, shall not exceed 25 tons per hour. [T1]

- B. Pursuant to Construction Permits #07100079 and #04060021, natural gas shall be the only fuel fired in the Grader 5 fines flash dryer (C044).

- C. Pursuant to Construction Permit #07100079, the maximum firing rate of the Grader 5 fines (EnergX) flash dryer shall not exceed 3.0 million Btu/hr. [T1]

- D. Pursuant to Construction Permit #10040055, the rated capacity of each of the Intermediate Corn Product Concentrators (C064 and C065) shall not exceed 6 tons per hour. [T1]

- E. Pursuant to Construction Permit #02070032, the three flash dryers (C043, C044, C045) shall burn natural gas as fuel only. The maximum rated firing rate of flash dryers shall not exceed 16 million Btu/hour total. [T1]

F. Pursuant to Construction permits #03120008 and 070100079, the airflow from the listed emission units shall not exceed the following limits:

Name	Airflow (cfm)
<b>Construction Permit #03120008</b>	
#4 Grit Cyclone Aspiration	7,000
#4 Grit General Aspiration	10,000
A System Throughstock Filter	6,350
B&C System Throughstock Filters	10,700
3rd Floor Roll Reduction Bench	3,500
B Section General Aspiration (Filter #17)	10,500
<b>Construction Permit #07100079</b>	
Golden Max Cooling	10,000
Grader 5 Cyclone Aspiration	3,000
Grader 5 Fines (EnergX) Dryer	11,500
Feed Storage Aspiration Filter	6,000

ii. Compliance Method (Operational and Production Requirements)

Monitoring

- A. Pursuant to Construction Permit #07100079, the Permittee shall operate and maintain baghouse for the C058 Golden Max Cooling, C059 Grader 5 Cyclone Aspiration, C044 Aspiration Grader 5 Fines (EnergX) Flash Dryer, and C061 Feed Storage Aspiration in a manner that assures that applicable requirements are met. The actions taken by the Permittee to meet this requirement shall include at least the following: [T1]
- I. Written operating procedures shall be maintained and updated describing normal process and equipment operating parameters; monitoring or instrumentation for measuring control equipment operating parameters, if any; and control equipment inspection and maintenance practices. With respect to control equipment maintenance practices, the operating procedures may incorporate the manufacturer's recommended operating instructions, if a copy of these instructions is attached to the procedures.
  - II. Visual inspections of air pollution control equipment shall be conducted on a regular schedule. These inspections shall include a detailed inspection of the performance and condition of control equipment at least once per year.
- B. Pursuant to Construction Permit #13050014, the Permittee shall install, operate and maintain instrumentation on Baghouse C067 (Feed Loadout Shed Aspiration) to measure pressure drop across the baghouse.

Recordkeeping

- C. Pursuant to Construction Permit #10010015, the Permittee shall maintain a record of the rated capacity of the C063 #4 grit dryer with supporting documentation. [T1]
- D. Pursuant to Construction Permit #10010015, the Permittee shall maintain the following operational records for source C063 #4 grit dryer: [T1]
- I. Amount of material dried (tons per month and tones per year);
  - II. Logs of inspection, maintenance, and repairs for the unit and associated cyclones; and

- III. Records of PM emissions of the unit, with supporting calculations (tons/month and tons/year).
- E. Pursuant to Construction Permit #07100079, the Permittee shall maintain records of the following items for the C058 Golden Max Cooling, C059 Grader 5 Cyclone Aspiration, C044 Grader 5 Fines (EnergX) Flash Dryer, and C061 Feed Storage Aspiration: [T1]
  - I. A file containing a copy of the manufacturer's specifications and recommended operating and maintenance procedures for baghouse.
  - II. Records of the differential pressure of baghouse recorded at least once per operating week.
  - III. Records addressing use of good operating practices for the control equipment:
    - 1. Records for periodic inspection of the control equipment with date, individual performing the inspection, and nature of inspection; and
    - 2. Records for prompt repair of defects, with identification and description of defect, effect on emissions, date identified, date repaired, and nature of repair.
- F. Pursuant to Construction Permit #03120008, the Permittee shall keep an inspection and maintenance log for processes C046 - C051 and each of their respective particulate matter control systems as well as the following operating records: [T1]
  - I. Operating hours (hours/month and hours/year) for each process.
  - II. Amount of throughstock processed (lbs/day monthly average).
- G. Pursuant to Construction Permit #10040055, the Permittee shall maintain a record of the rated capacity of the Intermediate Corn Products Concentrators (C064 and C065), with supporting documentation, as well as the following operational records: [T1]
  - I. Amount of material processed (tons per month and tones per year);
  - II. An operating log or other records that includes:
    - 1. Information generally confirming normal operation of the units; and
    - 2. Detailed information for any period for which the units or associated filters operated abnormally in a manner that would generate additional emissions, including date and duration, description of incident, estimated effect on emissions, and likely cause and corrective action.
  - III. Logs of inspection, maintenance, and repairs for the units and associated filters.
  - IV. Records of PM emissions of the units, with supporting calculations (tons/month and tons/year).
- H. Pursuant to Construction Permit #02070032, the Permittee shall keep the following operational records for the dry corn mill: [T1]

- I. Corn milled based on the daily grind rate, recorded at least once per day.
- II. Throughput (bushels/day monthly average).
- I. Pursuant to Construction Permit #04060021, the Permittee shall maintain monthly records of the following items: corn bran hammermill lift (unit C053), Star #1 bin vent filter (unit C054), and the Star #2 bin vent filter (unit C055): [T1]
  - I. Total grain dried, bushels/month and bushels/year (running total of 12 months of data).
  - II. Total emissions, including supporting data and calculations.
  - III. Any deviation or exceedance of the limitations and requirements established, as determined by the above records, or by other means, with date, time, duration, description, corrective action, and measures to prevent future reoccurrences.
- J. Pursuant to Construction Permit #13050014, the Permittee shall keep a file containing the maximum air flow rate of reconstructed bulk feed loadout system, in scfm. [T1]

### **3. Non-Applicability Determinations**

As of the date of issuance of this permit, non-applicability of regulations of concern are not set for the Corn Mill.

### **4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

### **5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

#### **a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Conditions 4.2.2(a)(i), 4.2.2(b)(i), 4.2.2(c)(i), 4.2.2(d)(i), 4.2.2(e)(i), and 4.2.2(f)(i).
  - B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.

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- B. Emission unit(s) and/or operation involved.
- C. The duration of the event.
- D. Probable cause of the deviation.
- E. Corrective actions or preventative measures taken.

**4.3 Specialty**

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
S001 (North Silo Vent)	PM	1968	N/A	Filter	Magnahelic
S002 (A-C) (Meal-to-Meal Silos; East, Middle, West)	PM	1968	N/A	Filter	Magnahelic
S004(A&B) (Extruder Collet Cyclone)	PM	1968	N/A	Cyclone	N/A
S006A&B (Collets Cooling Lift Receivers)	PM	1968	N/A	Filter Rec'r	Magnahelic
S007(A) (Hammermill Lift Flour Receiver)	PM	1968	N/A	Filter Rec'r	Magnahelic
S012 (Attrition Mill Lift Filter Receiver)	PM	1968	N/A	Filter Rec'r	Magnahelic
S013 (2nd Floor Dust Collector)	PM	1999	N/A	Dust Collector	Magnahelic
S014(A-C) (Overhead Storage Bin Vent Filters A-C)	PM	1999	N/A	Bin Vent Filters A-C	Magnahelic
S015(A-B) (Corn Flour to PPS & Pregel to PPS Filter Receivers)	PM	1999	N/A	None	Magnahelic
*S017 (Pregel Vacuum Transport Blower Exhaust)	PM	N/A	N/A	Baghouse	Magnahelic
S018 (Meal Vacuum Transport Blower Exhaust)	PM	?	N/A	Baghouse	Magnahelic

\* This unit, at time of permit renewal, has not been installed. Installation and operation is planned for the year 2015

**2. Applicable Requirements**

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7) (a), 39.5(7) (b), and 39.5(7) (d) of the Act.

**a. i. Opacity Requirements**

A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122.

**ii. Compliance Method (Opacity Requirements)**

Monitoring

A. Pursuant to Sections 39.5(7) (b) and (d) of the Act, at a minimum, the Permittee shall perform quarterly visible emission observations of each individual stack identified in the Table 4.1(1) above in accordance with Method 22. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the operation, maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9, the procedures in 40 CFR 60.11 and

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Section 7.1 of this permit shall be conducted within 48 hours in accordance with Condition 2.4.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all Method 9 and Method 22 opacity measurements and visible emissions observations made in accordance with Condition 4.1.2(a)(ii)(A). These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.

**b. i. Particulate Matter (PM) Requirements**

A. Pursuant to 35 IAC 212.321(a), the Permittee shall not cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.321.

**ii. Compliance Method (Opacity Requirements)**

Monitoring

A. Pursuant to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, emission units S004(A&B), S014(A-C), S017, and S018 are subject to 40 CFR Part 64. The Permittee shall comply with the monitoring requirements of the CAM Plan described in Condition 7.4 and Table 7.4.8, pursuant to 40 CFR Part 64 as submitted in the Permittee's CAM plan application. At all times, the Owner or Operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment, pursuant to 40 CFR 64.7(a) and (b).

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of the maximum emission of PM/PM<sub>10</sub> (lb/hour) from each emission unit or group of emission units controlled by a single control device, considering maximum exhaust flow and nominal exhaust loading, with supporting documentation.

**3. Non-Applicability Determinations**

As of the date of issuance of this permit, non-applicability of regulations of concern are not set for the Specialty.

**4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

**5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

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a. Prompt Reporting

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
  - I. Requirements in Condition 4.3.2(a)(i) and 4.3.2(b)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
  - A. Date and time of the deviation.
  - B. Emission unit(s) and/or operation involved.
  - C. The duration of the event.
  - D. Probable cause of the deviation.
  - E. Corrective actions or preventative measures taken.

**4.4 Powerhouse**

**1. Emission Units and Operations**

<i>Emission Units</i>	<i>Pollutants Being Regulated</i>	<i>Original Construction Date</i>	<i>Modification/ Reconstruction Date</i>	<i>Air Pollution Control Devices or Measures</i>	<i>Monitoring Devices</i>
P007 (C-B Boiler)(33.5 mmBtu/hr)	CO, PM, SO <sub>2</sub> , NO <sub>x</sub> , VOM	2000	N/A	None	N/A
P008 (C-B Boiler)(33.5 mmBtu/hr) (Backup Oil)	CO, PM, SO <sub>2</sub> , NO <sub>x</sub> , VOM	2000	N/A	None	N/A

**2. Applicable Requirements**

For the emission units in Condition 4.4.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. Opacity Requirements**

- A. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122.
- B. Pursuant to 40 CFR 60.43c(c) and (d) Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, the emission of gases into the atmosphere from P008 burning liquid fuel exclusively, except during periods of startup, malfunction and shutdown, shall not exhibit an opacity greater than 20 percent (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

**ii. Compliance Method (Opacity Requirements)**

Monitoring

- A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, at a minimum, the Permittee shall perform observations for opacity on the plant in accordance with Method 22 for visible emissions at least once every calendar year. If visible emissions are observed, the Permittee shall take corrective action within 4 hours of such observation. Corrective action may include, but is not limited to, shut down of the plant maintenance and repair, and/or adjustment of fuel usage. If corrective action was taken, the Permittee shall perform a follow up observation for visible emissions in accordance with Method 22. If visible emissions continue, then measurements of opacity in accordance with Method 9 and Section 7.1 shall be conducted within 7 days in accordance with Condition 2.4.

Recordkeeping

- B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for each observation for opacity conducted. These records shall include, at a minimum: date and time the observation was performed, name(s) of observing personnel, identification of which equipment was observed, whether or not the equipment was running properly, the findings of the observation including the presence of any visible emissions, and a description of any corrective action taken including if the corrective action took place within 4 hours of the observation.
- C. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records for all opacity measurements made in accordance with USEPA Method 9.

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b. i. Particulate Matter Requirements (PM)

- A. Pursuant to 35 IAC 212.206, the emissions of particulate matter into the atmosphere in any one hour period shall not exceed 0.15 kg of particulate matter per MW-hr of actual heat input from any fuel combustion emission unit using liquid fuel exclusively (0.10 lbs/MBtu)
- B. Pursuant to Construction Permit #00060032, the Permittee shall not allow emissions of particulate matter from the boilers P007 and P008 to exceed 0.25 lbs/hr (1.12 tons/yr) and 0.47 lbs/hr (2.07 tons/yr) respectively.

ii. Compliance Method (PM Requirements)

Monitoring

- A. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permit #00060032, the Permittee shall keep records of PM emissions from the boilers, as well as supporting calculations

c. i. Sulfur Dioxide Requirements (SO<sub>2</sub>)

- A. Pursuant to 40 CFR 60.43c(d) and (g) Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, the emission of sulfur dioxide (SO<sub>2</sub>) into the atmosphere in any one hour period from boiler P008 burning liquid fuel exclusively shall not exceed 215 ng/J of actual heat input when distillate fuel oil is burned (0.5 lb/MBtu); as an alternative the Permittee shall not combust oil in boiler P008 that contains greater than 0.5 weight percent sulfur. All limits shall be based on a 30-day rolling average. [40 CFR 60.42c(d) and (g)]
- B. Pursuant to 35 IAC 214.122(b), the emission of sulfur dioxide (SO<sub>2</sub>) into the atmosphere in any one hour period from boiler P008 burning liquid fuel exclusively shall not exceed 0.46 kg of sulfur dioxide per MW-hr of actual heat input when distillate fuel oil is burned (0.3 lb/MBtu).
- C. Pursuant to Construction Permit #00060032, the Permittee shall not allow emissions of sulfur dioxide from the boilers P007 and P008 to exceed 0.02 lbs/hr (0.09 tons/yr) and 6.7 lbs/hr (29.36 tons/yr) respectively.

ii. Compliance Method (SO<sub>2</sub> Requirements)

Monitoring

- A. Pursuant to 40 CFR 60.44c, oil tank shall be sampled and analyzed after each new shipment of oil to ensure it contains less than the required weight percent sulfur, as specified in 40 CFR 60.44c. Alternatively, the Permittee shall comply by meeting the fuel supplier certification requirements described in 40 CFR 60.48c.
- B. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- C. Pursuant to Construction Permit #00060032, the Permittee shall keep records of SO<sub>2</sub> emissions from the boilers, as well as supporting calculations.
- D. Pursuant to Construction Permit #00060032, the Permittee shall maintain records of the following items:
  - I. Total natural gas usage for affected boilers;
  - II. Total distillate fuel oil usage for boiler P008;
  - III. Annual aggregate NO<sub>x</sub>, PM, SO<sub>2</sub>, and VOM emissions from each affected boiler, based on fuel consumption and the applicable emission factors, with supporting calculations.
- E. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall maintain records of all oil tank samples and analysis, as well as all supporting calculations.

d. i. **Volatile Organic Material Requirements (VOM)**

- A. Pursuant to Construction Permit #00060032, the Permittee shall not allow emissions of volatile organic material from the boilers P007 and P008 to exceed 0.18 lbs/hr (0.79 tons/yr) per boiler.

ii. **Compliance Method (VOM Requirements)**

Monitoring

- A. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permit #00060032, the Permittee shall keep records of VOM emissions from the boilers, as well as supporting calculations.

e. i. **Nitrogen Oxide Requirements (NO<sub>x</sub>)**

- A. Pursuant to Construction Permit #00060032, the Permittee shall not allow emissions of nitrogen oxides from the boilers P007 and P008 to exceed 3.28 lbs/hr (14.38 tons/yr) and 4.72 lbs/hr (20.67 tons/yr) respectively.

ii. **Compliance Method (NO<sub>x</sub> Requirements)**

Monitoring

- A. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permit #00060032, the Permittee shall keep records of VOM emissions from the boilers, as well as supporting calculations

f. i. **Carbon Monoxide Requirements (CO)**

- A. Pursuant to air 35 IAC 216.121, the Permittee shall not allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion

emission unit with actual heat input greater than 2.9 MW (10 mmBtu/hr) shall not exceed 200 ppm, corrected to 50 percent excess air.

- B. Pursuant to Construction Permit #00060032, the Permittee shall not allow emissions of carbon monoxide from the boilers P007 and P008 to exceed 2.76 lbs/hr (12.03 tons/yr) per boiler.

ii. **Compliance Method (CO Requirements)**

Monitoring

- A. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

Recordkeeping

- B. Pursuant to Construction Permit #00060032, the Permittee shall keep records of CO emissions from the boilers, as well as supporting calculations.

g. i. **Operational and Production Requirements**

- A. Pursuant to Construction Permit #00060032, the Permittee must ensure the following:

- i. Natural gas shall be the only fuel fired in the boiler P007.
- ii. Natural gas or distillate (#2) fuel oil shall be the only fuel fired in the boiler P008.

ii. **Compliance Method (Operational and Production Requirements)**

Recordkeeping

- A. Pursuant to Construction Permit #00060032, the Permittee shall keep records of the following:

- I. Total natural gas usage for the boilers;
- II. Total distillate fuel oil usage for boiler P008.

**3. Non-Applicability Determinations**

- a. The boilers are not subject to 35 IAC 217.141, Existing Emission Sources in Major Metropolitan Areas, because the actual heat input of the boilers is less than 73.2 MW (250 MBtu/hr).
- b. The boilers are not subject to 35 IAC 215.301, Use of Organic Material, pursuant to 35 IAC 215.303, Fuel Combustion Emission Sources, which excludes the boilers from this requirement.
- c. The boilers are not subject to 35 IAC 217.150 Nitrogen Oxide Emissions, because it is not in the areas specified, pursuant to 35 IAC 217.150(a)(1)(A).
- d. The boilers are not subject to 40 CFR 63 Subpart DDDDD - Nation Emission Standards for Hazardous Air Pollutants For Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters, because Cargill Dry Corn Ingredients is not a major source of HAPs.
- e. The boilers are not subject to 40 CFR 63 Subpart JJJJJJ - Nation Emission Standards for Hazardous Air Pollutants For Industrial, Commercial, and Institutional Boilers and

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Process Heaters Area Sources because Cargill Dry Corn Ingredients is not an area source for HAPs.

- f. The boilers are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources for all pollutants, because the boilers do not use an add-on control device to achieve compliance with an emission limitation or standard.

#### **4. Other Requirements**

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

#### **5. Reporting Requirements**

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

##### **a. Prompt Reporting**

- i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:
- I. Requirements in Conditions 4.4.2(a)(i), 4.4.2(b)(i), 4.4.2(c)(i), 4.4.2(d)(i), 4.4.2(e)(i), 4.4.2(f)(i) and 4.4.2(g)(i).
- B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Report required by Condition 3.5(b).
- iii. The deviation reports shall contain at a minimum the following information:
- A. Date and time of the deviation.
- B. Emission unit(s) and/or operation involved.
- C. The duration of the event.
- D. Probable cause of the deviation.
- E. Corrective actions or preventative measures taken.

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**Section 5 - Additional Title I Requirements**

This Section is reserved for Title I requirements not specified in Sections 3 or 4. As of the date of issuance of this permit, there are no Title I requirements that need to be separately addressed in this Section.

## Section 6 - Insignificant Activities Requirements

### 1. Insignificant Activities Subject to Specific Regulations

This condition is reserved for insignificant activities, as defined in 35 IAC 201.210 and 201.211, which are subject to specific standards promulgated pursuant Sections 111, 112, 165, or 173 of the Clean Air Act, see Sections 9.1(d) and 39.5(6)(a) of the Act. As of the date of issuance of this permit, there are no such insignificant activities present at the source.

### 2. Insignificant Activities in 35 IAC 201.210(a)

In addition to any insignificant activities identified in Condition 6.1, the following additional activities at the source constitute insignificant activities pursuant to 35 IAC 201.210 and 201.211:

<i>Insignificant Activity</i>	<i>Number of Units</i>	<i>Insignificant Activity Category</i>
Rotary Steam Tube/Bran Dryer (C060)	1	35 IAC 201.210(a) (2)
Extruder Inlet Suction (S003)	1	35 IAC 201.210(a) (2)
Defatted Grits (980) Filter Bin A (S016A)	1	35 IAC 201.210(a) (2)
Defatted Grits (980) Filter Bin B (S016B)	1	35 IAC 201.210(a) (2)
Direct combustion units used for comfort heating and fuel combustion emission units as further detailed in 35 IAC 201.210(a) (4).	11	35 IAC 201.210(a) (4)
Storage tanks < 10,000 gallon with annual throughput < 100,000 gallon (not storing gasoline or any material listed as a HAP).	32	35 IAC 201.210(a) (10)
Storage tanks of virgin or rerefined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oil.	1	35 IAC 201.210(a) (11)

### 3. Insignificant Activities in 35 IAC 201.210(b)

Pursuant to 35 IAC 201.210, the source has identified insignificant activities as listed in 35 IAC 201.210(b) (1) through (28) as being present at the source. The source is not required to individually list the activities.

### 4. Applicable Requirements

Insignificant activities in Conditions 6.1 and 6.2 are subject to the following general regulatory limits notwithstanding status as insignificant activities. The Permittee shall comply with the following requirements, as applicable:

- a. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b).
- b. Pursuant to 35 IAC 212.321 or 212.322 (see Conditions 7.2(a) and (b)), no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units at a source or premises, exceed the allowable emission rates specified 35 IAC 212.321 or 212.322 and 35 IAC Part 266.
- c. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2,000 ppm, except as provided in 35 IAC Part 214.

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- d. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC 215 Subpart K shall apply only to photochemically reactive material.
- e. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 250 gal, unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the IEPA according to 35 IAC Part 201 or unless such tank is a pressure tank as described in 35 IAC 215.121(a) or is fitted with a recovery system as described in 35 IAC 215.121(b)(2). Exception as provided in 35 IAC 215.122(c): If no odor nuisance exists the limitations of 35 IAC 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.

**5. Compliance Method**

Pursuant to Section 39.5(7)(b) of the Act, the source shall maintain records of the following items for the insignificant activities in Conditions 6.1 and 6.2:

- a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).
- b. Potential to emit emission calculations before any air pollution control device for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).

**6. Notification Requirements for Insignificant Activities**

The source shall notify the IEPA accordingly to the addition of insignificant activities:

**a. Notification 7 Days in Advance**

- i. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(1) and 201.211 and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3. The notification shall include the following pursuant to 35 IAC 201.211(b):
  - A. A description of the emission unit including the function and expected operating schedule of the unit.
  - B. A description of any air pollution control equipment or control measures associated with the emission unit.
  - C. The emissions of regulated air pollutants in lb/hr and ton/yr.
  - D. The means by which emissions were determined or estimated.
  - E. The estimated number of such emission units at the source.
  - F. Other information upon which the applicant relies to support treatment of such emission unit as an insignificant activity.
- ii. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(2) through 201.210(a)(18) and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 3.

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iii. Pursuant to Sections 39.5(12)(a)(i)(b) and 39.5(12)(b)(iii) of the Act, the permit shield described in Section 39.5(7)(j) of the Act (see Condition 2.7) shall not apply to any addition of an insignificant activity noted above.

**b. Notification Required at Renewal**

Pursuant to 35 IAC 201.212(a) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) and is currently identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit.

**c. Notification Not Required**

Pursuant to 35 IAC 201.212(c) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(b) as described in Condition 6.3, a notification is not required.

## Section 7 - Other Requirements

### 1. Testing

- a. Pursuant to Section 39.5(7)(a) of the Act, a written test protocol shall be submitted at least sixty (60) days prior to the actual date of testing, unless it is required otherwise in applicable state or federal statutes. The IEPA may at the discretion of the Compliance Section Manager (or designee) accept protocol less than 60 days prior to testing provided it does not interfere with the IEPA's ability to review and comment on the protocol and does not deviate from the applicable state or federal statutes. The protocol shall be submitted to the IEPA, Compliance Section and IEPA, Stack Test Specialist for its review. Addresses are included in Attachment 3. This protocol shall describe the specific procedures for testing, including as a minimum:
  - i. The name and identification of the emission unit(s) being tested.
  - ii. Purpose of the test, i.e., permit condition requirement, IEPA or USEPA requesting test.
  - iii. The person(s) who will be performing sampling and analysis and their experience with similar tests.
  - iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.
  - v. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
  - vi. The test method(s) that will be used, with the specific analysis method, if the method can be used with different analysis methods. Include if emission tests averaging of 35 IAC 283 will be used.
  - vii. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - viii. Any proposed use of an alternative test method, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.
  - ix. Sampling of materials, QA/QC procedures, inspections, etc.
- b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.5(7)(a) of the Act as follows:
  - i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.
  - ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.
- c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but

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no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) an alternative date is agreed upon in advance pursuant to Section 39.5(7)(a) of the Act. The Final Report shall include as a minimum:

- i. General information including emission unit(s) tested.
  - ii. A summary of results.
  - iii. Discussion of conditions during each test run (malfunction/breakdown, startup/shutdown, abnormal processing, etc.).
  - iv. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule.
  - v. Detailed description of test conditions, including:
    - A. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption.
    - B. Control equipment information, i.e., equipment condition and operating parameters during testing.
    - C. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair.
  - vi. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.
  - vii. An explanation of any discrepancies among individual tests or anomalous data.
  - viii. Results of the sampling of materials, QA/QC procedures, inspections, etc.
  - ix. Discussion of whether protocol was followed and description of any changes to the protocol if any occurred.
  - x. Demonstration of compliance showing whether test results are in compliance with applicable state or federal statutes.
- d. Copies of all test reports and other test related documentation shall be kept on site as required by Condition 2.5(b) pursuant to Section 39.5(7)(e)(ii) of the Act.

**2. PM Process Weight Rate Requirements**

**a. New Process Emission Units - 35 IAC 212.321**

New Process Emission Units For Which Construction or Modification Commenced On or After April 14, 1972. [35 IAC 212.321]

- i. No person shall cause or allow the emission of PM into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of PM from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.321(c). See Condition 7.2(a)(iii) below. [35 IAC 212.321(a)]
- ii. Interpolated and extrapolated values of the data in 35 IAC 212.321(c) shall be determined by using the equation: [35 IAC 212.321(b)]

$$E = A(P)^B$$

Where:

P = Process weight rate (T/hr)  
E = Allowable emission rate (lbs/hr)

A. Process weight rates of less than 450 T/hr:

A = 2.54  
B = 0.53

B. Process weight rates greater than or equal to 450 T/hr:

A = 24.8  
B = 0.16

iii. Limits for New Process Emission Units [35 IAC 212.321(c)]:

<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>	<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>
0.05	0.55	25.00	14.00
0.10	0.77	30.00	15.60
0.20	1.10	35.00	17.00
0.30	1.35	40.00	18.20
0.40	1.58	45.00	19.20
0.50	1.75	50.00	20.50
0.75	2.40	100.00	29.50
1.00	2.60	150.00	37.00
2.00	3.70	200.00	43.00
3.00	4.60	250.00	48.50
4.00	5.35	300.00	53.00
5.00	6.00	350.00	58.00
10.00	8.70	400.00	62.00
15.00	10.80	450.00	66.00
20.00	12.50	500.00	67.00

**b. Existing Process Emission Units - 35 IAC 212.322**

Existing Process Emission Units For Which Construction or Modification Commenced Prior to April 14, 1972. [35 IAC 212.322]

- i. No person shall cause or allow the emission of PM into the atmosphere in any one hour period from any process emission unit for which construction or modification commenced prior to April 14, 1972, which, either alone or in combination with the emission of PM from all other similar process emission units at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.322(c)). See Condition 7.2(b)(iii) below. [35 IAC 212.322(a)]
- ii. Interpolated and extrapolated values of the data in 35 IAC 212.322(c) shall be determined by using the equation: [35 IAC 212.322(b)]

$$E = C + A(P)^B$$

Where:

P = Process weight rate (T/hr)  
E = Allowable emission rate (lbs/hr)

A. Process weight rates of less than 450 T/hr:

A = 4.10  
B = 0.67  
C = 0

B. Process weight rates greater than or equal to 450 T/hr:

A = 55.0  
B = 0.11  
C = -40.0

iii. Limits for Existing Process Emission Units [35 IAC 212.322(c)]:

<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>	<u>P</u> <u>(T/hr)</u>	<u>E</u> <u>(lbs/hr)</u>
0.05	0.55	25.00	35.40
0.10	0.87	30.00	40.00
0.2	1.40	35.00	41.30
0.30	1.83	40.00	42.50
0.40	2.22	45.00	43.60
0.50	2.58	50.00	44.60
0.75	3.38	100.00	51.20
1.00	4.10	150.00	55.40
2.00	6.52	200.00	58.60
3.00	8.56	250.00	61.00
4.00	10.40	300.00	63.10
5.00	12.00	350.00	64.90
10.00	19.20	400.00	66.20
15.00	25.20	450.00	67.70
20.00	30.50	500.00	69.00

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**3. 40 CFR 60 Subpart A Requirements (NSPS)**

**a. 40 CFR 60 Subpart A and Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units**

Pursuant to 40 CFR 60 Subpart A and Subpart Dc, the Permittee shall comply with the following applicable General Provisions as indicated:

<i>General Provision Citation</i>	<i>General Provision Applicable?</i>	<i>Subject of Citation</i>	<i>Explanation (if required)</i>
40 CFR 60.1	Yes	General Applicability of the General Provisions	
40 CFR 60.2	Yes	Definitions	
40 CFR 60.3	Yes	Units and Abbreviations	
40 CFR 60.4	Yes	Address	
40 CFR 60.5	Yes	Determination of Construction or Modification	
40 CFR 60.6	Yes	Review of Plans	
40 CFR 60.7	Yes	Notification and Recordkeeping	
40 CFR 60.8	Yes	Performance Tests	
40 CFR 60.9	Yes	Availability of Information	
40 CFR 60.10	Yes	State Authority	
40 CFR 60.11	Yes	Compliance with Standards and Maintenance Requirements	
40 CFR 60.12	Yes	Circumvention	
40 CFR 60.13	Yes	Monitoring Requirements	
40 CFR 60.14	Yes	Modification	
40 CFR 60.15	Yes	Reconstruction	
40 CFR 60.16	Yes	Priority List	
40 CFR 60.17	Yes	Incorporations by Reference	
40 CFR 60.18	Yes	General Control Device Requirements and Work Practice Requirements	
40 CFR 60.19	Yes	General Notification and Reporting Requirements	

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**4. Compliance Assurance Monitoring (CAM) Requirements**

**a. CAM Provisions**

i. Proper Maintenance

Pursuant to 40 CFR 64.7(b), at all times, the source shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

ii. Continued Operation

Pursuant to 40 CFR 64.7(c), except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the source shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit (PSEU) is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of 40 CFR Part 64, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The source shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

iii. Response to Excursions or Exceedances

A. Pursuant to 40 CFR 64.7(d)(1), upon detecting an excursion or exceedance, the source shall restore operation of the PSEU (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

B. Pursuant to 40 CFR 64.7(d)(2), determination of whether the source has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device.

**b. Monitoring - Monitoring**

Pursuant to 40 CFR 64.7(a), the source shall comply with the monitoring requirements of the CAM Plans as described in 7.4(e) below, pursuant to 40 CFR Part 64 as submitted in the source's CAM plan application.

**c. Monitoring - Recordkeeping**

Pursuant to 40 CFR 64.9(b)(1), the source shall maintain records of the monitoring data, monitor performance data, corrective actions taken, monitoring equipment maintenance, and other supporting information related to the monitoring requirements established for CAM.

**d. Monitoring - Reporting**

Pursuant to Sections 39.5(7)(b) and (f) of the Act, the source shall submit the following reporting requirements:

i. Semiannual Reporting

As part of the required Semiannual Monitoring Reports, the source shall submit a CAM report including the following at a minimum:

- A. Summary information on the number, duration, and cause of excursions or exceedances, and the corrective actions taken pursuant to 40 CFR 64.6(c)(3) and 64.9(a)(2)(i).
- B. Summary information on the number, duration, and cause for monitoring equipment downtime incidents, other than downtime associated with calibration checks pursuant to 40 CFR 64.6(c)(3) and 64.9(a)(2)(ii).

**e. CAM Plans**

The following tables contain the CAM Plans in this CAAPP permit:

Table	Emission Unit Section	PSEU Designation	Pollutant
7.4.1	4.2	C041,C042,C043,C044	PM
7.4.2	4.2	C042	PM
7.4.3	4.1/4.2	E010,E011,E012,C036,C037,C040,C055	PM
7.4.5	4.2	C038,C039	PM
7.4.6	4.2	C047,C048,C049,C050,C051	PM
7.4.7	4.2	C054	PM
7.4.8	4.2/4.3	S014,C053,S017,S018,C059,C061,C062,C066,E008,E009	PM

**Table 7.4.1 - CAM Plan**

Emission Unit Section:	4.2	
PSEU Designation:	C041, C043, C044	
Pollutant:	Particulate	
Indicators:	#1) Baghouse Pressure Drop	#2)
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Automatic continuous readings of the pressure drop across the baghouse to insure proper device operation	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	0.1 - 25 inches of water (C041) 0.1 - 10 inches of water (C043,C044)	
Quality Improvement Plan (QIP) Threshold Levels:	5% of daily plant control system printout readings outside of range	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Pressure drop transmitter is installed per manufacturer specifications	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Manual readings of the Magnahelic gauges to verify plant control system readings as necessary	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge as necessary and using manufacturer-specified procedure	
The Monitoring Frequency:	Plant control system - continuous reading of gauge	
The Data Collection Procedures That Will Be Used:	Instantaneous printout from plant control system is performed daily	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. If any instantaneous reading is outside specified range appropriate process inspection or shutdown will occur.	

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**Table 7.4.2 - CAM Plan**

Emission Unit Section:	4.2
PSEU Designation:	C042
Pollutant:	Particulate

Indicators:	#1) Baghouse Pressure Drop	
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Automatic continuous readings of the pressure drop across the baghouse to insure proper device operation	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	0.1 - 10 inches of water	
Quality Improvement Plan (QIP) Threshold Levels:	5% of daily plant control system printout readings outside of range	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Pressure drop transmitter is installed per manufacturer specifications	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Manual readings of the Magnahelic gauges as necessary to verify plant control system readings	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge as necessary and using manufacturer-specified procedure	
The Monitoring Frequency:	Plant control system - continuous reading of gauge	
The Data Collection Procedures That Will Be Used:	Instantaneous printout from plant control system is performed daily	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. If any instantaneous reading is outside specified range appropriate process inspection or shutdown will occur.	

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**Table 7.4.3 - CAM Plan**

Emission Unit Section:	4.1/4.2
PSEU Designation:	E010, E011, E012, C036, C037, C040, C055
Pollutant:	Particulate

Indicators:	#1) Baghouse Pressure Drop	
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Automatic continuous readings of the pressure drop across the baghouse to insure proper device operation	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	0.1 - 10 inches of water (E010,E011,C037,C040,C055) 0.1 - 25 inches of water (E012) 0.1 - 15 inches of water (C036)	
Quality Improvement Plan (QIP) Threshold Levels:	5% of daily plant control system printout readings outside of range	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Pressure drop transmitter is installed per manufacturer specifications	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Manual readings of the Magnahelic gauges as necessary to verify plant control system readings	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge as necessary using manufacturer-specified procedure	
The Monitoring Frequency:	Plant control system - continuous reading of gauge	
The Data Collection Procedures That Will Be Used:	Instantaneous printout from plant control system is performed daily	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. If any instantaneous reading is outside specified range appropriate process inspection or shutdown will occur.	

**Table 7.4.4 - CAM Plan**

Emission Unit Section:	4.2
PSEU Designation:	C038, C039
Pollutant:	Particulate

Indicators:	#1) Baghouse Pressure Drop	#2)
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Automatic continuous readings of the pressure drop across the baghouse to insure proper device operation	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	0.1 - 10 inches of water	
Quality Improvement Plan (QIP) Threshold Levels:	5% of daily plant control system printout readings outside of range	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Pressure drop transmitter is installed per manufacturer specifications	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Manual readings of the Magnahelic gauges as necessary to verify plant control system readings	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge as necessary and using manufacturer-specified procedure	
The Monitoring Frequency:	Plant control system - continuous reading of gauge	
The Data Collection Procedures That Will Be Used:	Instantaneous printout from plant control system is performed daily	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. If any instantaneous reading is outside specified range appropriate process inspection or shutdown will occur.	

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**Table 7.4.5 - CAM Plan**

Emission Unit Section:	4.2
PSEU Designation:	C046
Pollutant:	Particulate, PM-10

Indicators:	#1) Baghouse Pressure Drop	#2)
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Automatic continuous readings of the pressure drop across the baghouse to insure proper device operation	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	0.1 - 25 inches of water	
Quality Improvement Plan (QIP) Threshold Levels:	5% of daily plant control system printout readings outside of range	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Pressure drop transmitter is installed per manufacturer specifications	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Manual readings of the Magnahelic gauges as necessary to verify plant control system readings	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge and using manufacturer-specified procedure	
The Monitoring Frequency:	Plant control system - continuous reading of gauge	
The Data Collection Procedures That Will Be Used:	Instantaneous printout from plant control system is performed daily	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. If any instantaneous reading is outside the specified range, appropriate process inspection or shutdown will occur.	

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**Table 7.4.6 - CAM Plan**

Emission Unit Section:	4.2
PSEU Designation:	C047, C048, C049, C050, C051
Pollutant:	Particulate, PM-10

Indicators:	#1) Baghouse Pressure Drop	#2)
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Automatic continuous readings of the pressure drop across the baghouse to insure proper device operation	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	0.1 - 10 inches of water (C047,C049) 0.1 - 25 inches of water (C048) 0.1 - 15 inches of water (C050)	
Quality Improvement Plan (QIP) Threshold Levels:	5% of daily plant control system printout readings outside of range	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Pressure drop transmitter is installed per manufacturer specifications	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Manual readings of the Magnahelic gauges as necessary to verify plant control system readings	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge as necessary and using manufacturer-specified procedure	
The Monitoring Frequency:	Plant control system - continuous reading of gauge	
The Data Collection Procedures That Will Be Used:	Instantaneous printout from plant control system is performed daily	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. If any instantaneous reading is outside the specified range, appropriate process inspection or shutdown will occur.	

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**Table 7.4.7 - CAM Plan**

Emission Unit Section:	4.2
PSEU Designation:	C054
Pollutant:	Particulate

Indicators:	#1) Operation Records	#2)
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Automatic continuous readings of the pressure drop across the baghouse to insure proper device operation	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	0.1 - 10 inches of water	
Quality Improvement Plan (QIP) Threshold Levels:	5% of daily plant control system printout readings outside of range	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Pressure drop transmitter is installed per manufacturer specifications	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Manual readings of the Magnahelic gauges as necessary to verify plant control system readings	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge as necessary and using manufacturer-specified procedure	
The Monitoring Frequency:	Plant control system - continuous reading of gauge	
The Data Collection Procedures That Will Be Used:	Instantaneous printout from plant control system is performed daily	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. If any instantaneous reading is outside the specified range, appropriate process inspection or shutdown will occur.	

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**Table 7.4.8 - CAM Plan**

Emission Unit Section:	4.2
PSEU Designation:	S014, C053, S017, S018, C059, C061, C062, C066, E008, E009
Pollutant:	Particulate

Indicators:	#1) Magnahelic Gauges	#2)
<b>General Criteria</b>		
The Monitoring Approach Used to Measure the Indicators:	Each source will have Magnahelic gauges read daily	
The Indicator Range Which Provides a Reasonable Assurance of Compliance:	0.1 - 10 inches of water	
Quality Improvement Plan (QIP) Threshold Levels:	5% of daily readings outside of range	
<b>Performance Criteria</b>		
The Specifications for Obtaining Representative Data:	Magnahelic gauge is installed per manufacturers recommendations	
Verification Procedures to Confirm the Operational Status of the Monitoring:	Visual inspection of the control device for proper operation	
Quality Assurance and Quality Control (QA/QC) Practices that Ensure the Validity of the Data:	Calibration of the gauge as necessary and using manufacturer-specified procedure	
The Monitoring Frequency:	Daily reading of the gauges for each control device	
The Data Collection Procedures That Will Be Used:	Manual reading and recording of each gauge	
The Data Averaging Period For Determining Whether an Excursion or Exceedance Has Occurred:	None. If any instantaneous reading is outside the specified range, appropriate process inspection or shutdown will occur.	

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## Section 8 - State Only Requirements

### 1. Permitted Emissions for Fees

The annual emissions from the source for purposes of "Duties to Pay Fees" of Condition 2.3(e), not considering insignificant activities as addressed by Section 6, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. The Permittee shall maintain records with supporting calculations of how the annual emissions for fee purposes were calculated. This Condition is set for the purpose of establishing fees and is not federally enforceable. See Section 39.5(18) of the Act.

<i>Pollutant</i>		<i>Tons/Year</i>
Volatile Organic Material	(VOM)	10.61
Sulfur Dioxide	(SO <sub>2</sub> )	0.34
Particulate Matter	(PM)	147.88
Nitrogen Oxides	(NO <sub>x</sub> )	56.45
HAP, not included in VOM or PM	(HAP)	7.5
Total		222.78

## Attachment 1 - List of Emission Units at This Source

<i>Section</i>	<i>Emission Units</i>	<i>Description</i>
4.1	Elevator	Grain is received by either truck or rail and stored in silos. The grain is processed to make a variety of granulated products.
4.2	Corn Mill	Grain is received by either truck or rail and stored in silos. The grain is processed to make a variety of granulated products.
4.3	Specialty	Grain is received by either truck or rail and stored in silos. The grain is processed to make a variety of granulated products.
4.4	Powerhouse	Boilers and corresponding equipment that bring power to the facility.

## Attachment 2 - Acronyms and Abbreviations

acfm	Actual cubic feet per minute
ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment trading unit
BACT	Best Available Control Technology
BAT	Best Available Technology
Btu	British Thermal Units
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAIR	Clean Air Interstate Rule
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CISWI	Commercial Industrial Solid Waste Incinerator
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
DP	Differential pressure
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
ERMS	Emissions Reduction Market System
°F	Degrees Fahrenheit
GHG	Green house gas
GACT	Generally Acceptable Control Technology
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
hp	Horsepower
hr	Hour
H <sub>2</sub> S	Hydrogen sulfide
I.D. No.	Identification number of source, assigned by IEPA
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
IEPA	Illinois Environmental Protection Agency
kw	Kilowatts
LAER	Lowest Achievable Emission Rate

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lbs	Pound
m	Meter
MACT	Maximum Achievable Control Technology
M	Thousand
MM	Million
mos	Month
MSDS	Material Safety Data Sheet
MSSCAM	Major Stationary Sources Construction and Modification (Non-attainment New Source Review)
MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PB	Lead
PEMS	Predictive Emissions Monitoring System
PM	Particulate matter
PM <sub>10</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
PM <sub>2.5</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
PSD	Prevention of Significant Deterioration
PSEU	Pollutant-Specific Emission Unit
psia	Pounds per square inch absolute
PTE	Potential to emit
RACT	Reasonable Available Control Technology
RMP	Risk Management Plan
scf	Standard cubic feet
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile organic material

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Attachment 3 - Contact and Reporting Addresses

<p style="text-align: center;">IEPA Compliance Section</p> <p style="text-align: center;">IEPA Stack Test Specialist</p> <p style="text-align: center;">IEPA Air Quality Planning Section</p> <p style="text-align: center;">IEPA Air Regional Field Operations Regional Office #3</p> <p style="text-align: center;">IEPA Permit Section</p>	<p>Illinois EPA, Bureau of Air Compliance &amp; Enforcement Section (MC 40) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p>
	<p>Illinois EPA, Bureau of Air Compliance Section Source Monitoring - Third Floor 9511 Harrison Street Des Plaines, Illinois 60016</p> <p>Phone No.: 847/294-4000</p>
	<p>Illinois EPA, Bureau of Air Air Quality Planning Section (MC 39) 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276</p> <p>Phone No.: 217/782-2113</p>
	<p>Illinois EPA, Bureau of Air Regional Office #3 2009 Mall Street Collinsville, Illinois 62234</p> <p>Phone No.: 618/346-5120</p>
	<p>Illinois EPA, Bureau of Air Permit Section (MC 11) 1021 North Grand Avenue East P.O. Box 19506 Springfield, Illinois 62794-9506</p> <p>Phone No.: 217/785-1705</p>
<p style="text-align: center;">USEPA Region 5 - Air Branch</p>	<p>USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, Illinois 60604</p> <p>Phone No.: 312/353-2000</p>

**Attachment 4 - Example Certification by a Responsible Official**

<b>SIGNATURE BLOCK</b>	
NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED AS INCOMPLETE.	
I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE. ANY PERSON WHO KNOWINGLY MAKES A FALSE, FICTITIOUS, OR FRAUDULENT MATERIAL STATEMENT, ORALLY OR IN WRITING, TO THE ILLINOIS EPA COMMITS A CLASS 4 FELONY. A SECOND OR SUBSEQUENT OFFENSE AFTER CONVICTION IS A CLASS 3 FELONY. (415 ILCS 5/44(H))	
AUTHORIZED SIGNATURE:	
BY: _____	_____
AUTHORIZED SIGNATURE	TITLE OF SIGNATORY
_____	_____/_____/_____
TYPED OR PRINTED NAME OF SIGNATORY	DATE

Cargill Dry Corn Ingredients, Inc.  
 I.D. No.: 045030ABG  
 Permit No.: 95100037

Date Received: 12/24/2007  
 Date Issued: TBD